

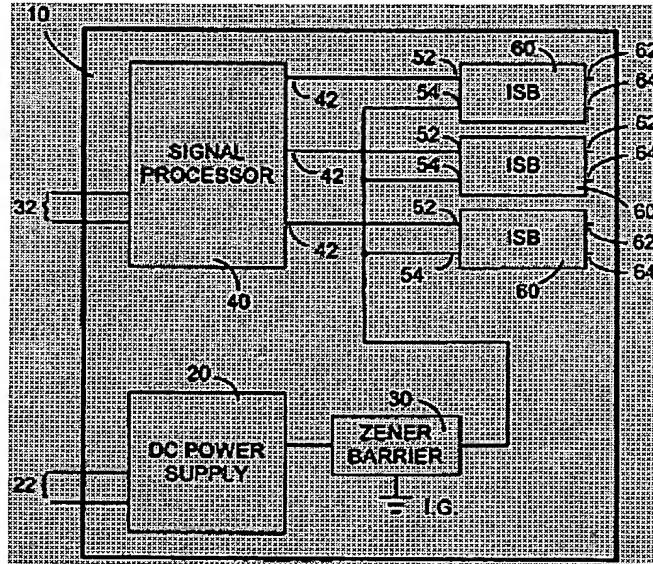
Integrated intrinsically safe input-output module

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Abstract of US6397322

A method and system for performing a task in an intrinsically safe environment using an intrinsically safe, integrated module located on the safe side to convey signals to and from a field device on the hazardous side. The integrated module is configurable in order to suit the electrical characteristics and requirements of the field device. Preferably, the integrated module is software configurable, in that the module can be configured by a command signal without using switches. Furthermore, the integrated module is configurable in order to control the field device in performing the task. The integrated module includes an input/output module which is electrically connected to the field device through a Zener barrier or a galvanic isolation barrier, and a power supply to power the field device through a Zener barrier.



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